



PTO/SB/21 (09-04)

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**TRANSMITTAL  
FORM**

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission 182

Application Number 10/522,768

Filing Date March 4, 2004

First Named Inventor Carson et al.

Art Unit

Examiner Name

Attorney Docket Number C&amp;M

**ENCLOSURES (Check all that apply)**

|   |   |   |
|---|---|---|
| <input type="checkbox"/> Fee Transmittal Form                             | <input type="checkbox"/> Drawing(s)                                       | <input type="checkbox"/> After Allowance Communication to TC                            |
| <input type="checkbox"/> Fee Attached                                     | <input type="checkbox"/> Licensing-related Papers                         | <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences     |
| <input type="checkbox"/> Amendment/Reply                                  | <input type="checkbox"/> Petition   | <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) |
| <input type="checkbox"/> After Final                                      | <input type="checkbox"/> Petition to Convert to a Provisional Application | <input type="checkbox"/> Proprietary Information  |
| <input type="checkbox"/> Affidavits/declaration(s)                        | <input type="checkbox"/> Power of Attorney, Revocation                    | <input type="checkbox"/> Status Letter  |
| <input type="checkbox"/> Extension of Time Request                        | <input type="checkbox"/> Change of Correspondence Address                 | <input type="checkbox"/> Other Enclosure(s) (please identify below):                    |
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| <input type="checkbox"/> Reply to Missing Parts/Incomplete Application    |   |   |
| <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53 |   |   |

**SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT**

|              |                     |          |        |
|--------------|---------------------|----------|--------|
| Firm Name    | James C. Wray       |          |        |
| Signature    |                     |          |        |
| Printed name | Meera P. Narasimhan |          |        |
| Date         | October 12, 2005    | Reg. No. | 40,252 |

**CERTIFICATE OF TRANSMISSION/MAILING**

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below:

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| Signature             |                   |      |                  |
| Typed or printed name | Leonard A. Stoehr | Date | October 12, 2005 |

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE



In re Application of

CARSON et al.

Serial No. 10/522,768

Art Unit:

Filed: March 4, 2005

Examiner:

For: MEDIATED ELECTROCHEMICAL OXIDATION USED FOR THE DESTRUCTION OF ORGANICS CONTAMINATED WITH RADIOACTIVE WASTE MATERIALS, DISSOLUTION OF OF TRANSURANICS, AND THE DECONTAMINATION OF EQUIPMENT CONTAMINATED WITH MIXED WASTE

**INFORMATION DISCLOSURE STATEMENT**

To the Director of the Patent and Trademark Office

Sir:

Under the provisions of 37 C.F.R. 1.56, 1.97 and 1.98, applicant submits herewith copies of publications that the Patent Office may wish to consider in examination of the subject application. The publications are listed on the attached Form PTO 1449 (modified).

Respectfully,

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October 12, 2005

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: October 12, 2005

ATTY DOCKET NO.

SERIAL NO.  
10/522,768APPLICANT  
CARSON et al.FILING DATE  
March 4, 2005

GROUP

U.S. PATENT DOCUMENTS

| EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER | DATE       | NAME            | CLASS | SUBCLASS | FILING DATE IF<br>APPROPRIATE |
|---------------------|----|--------------------|------------|-----------------|-------|----------|-------------------------------|
| /EMJ/               | AB | 4,749,519          | 6/7/1988   | Koehly et al.   |       |          |                               |
|                     | AB | 4,752,364          | 6/21/1988  | Dhooge          |       |          |                               |
|                     | AL | 4,874,485          | 10/17/1989 | Steele          |       |          |                               |
|                     | AD | 4,925,643          | 5/15/1990  | Steele          |       |          |                               |
|                     | AL | 5,516,972          | 5/14/1996  | Farmer          |       |          |                               |
|                     | AL | 5,756,874          | 5/26/1998  | Steward         |       |          |                               |
|                     | AL | 5,810,995          | 9/22/1998  | Soilleux et al. |       |          |                               |
|                     | AL | 5,855,763          | 1/5/1999   | Conlin et al.   |       |          |                               |
|                     | AL | 5,911,868          | 6/15/1999  | Balazs et al.   |       |          |                               |
|                     | AL | 5,919,350          | 7/6/1999   | Balazs et al.   |       |          |                               |
|                     | AB | 5,952,542          | 5/14/1999  | Steele          |       |          |                               |
|                     | AL | 5,968,337          | 10/19/1999 | Surma           |       |          |                               |
| /EMJ/               | AN | 6,402,932          | 6/11/2002  | Bremer et al.   |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION<br>YES | NO |
|--|----|--------------------|------|---------|-------|----------|--------------------|----|
|  | AN |                    |      |         |       |          |                    |    |
|  | AC |                    |      |         |       |          |                    |    |

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |    |  |
|--|----|--|
|  | AP |  |
|  | AQ |  |
|  | AR |  |

EXAMINER /Edward M. Johnson/ (10/26/2008)

DATE CONSIDERED

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered.  
Include copy of this form with next communication to applicant.

FORM PTO 1449 (modified)

U.S. DEPARTMENT OF COMMERCE  
PATENT AND TRADEMARK OFFICELIST OF REFERENCES CITED BY APPLICANT(S)  
(Use several sheets if necessary)

Date Submitted to PTO: October 12, 2005

ATTY DOCKET NO.  
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10/522,768APPLICANT  
CARSON et al.FILING DATE  
March 4, 2005

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## U.S. PATENT DOCUMENTS

| *EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER | DATE      | NAME         | CLASS | SUBCLASS | FILING DATE IF<br>APPROPRIATE |
|----------------------|----|--------------------|-----------|--------------|-------|----------|-------------------------------|
| /EMJ/                | AA | 5,707,508          | 1/13/1998 | Surma et al. |       |          |                               |
|                      | AB |                    |           |              |       |          |                               |

## FOREIGN PATENT DOCUMENTS

|  |    | DOCUMENT<br>NUMBER | DATE | COUNTRY | CLASS | SUBCLASS | TRANSLATION<br>YES NO |
|--|----|--------------------|------|---------|-------|----------|-----------------------|
|  | AC |                    |      |         |       |          |                       |
|  | AA |                    |      |         |       |          |                       |

## OTHER DOCUMENT(S) (Including Author, Title, Date, Pertinent Pages, Etc.)

|       |    |   |
|-------|----|---|
| /EMJ/ | AE | Davidson, L. et al.; <u>Ruthenium-Mediated Electrochemical Destruction of Organic Wastes</u> ; Platinum Metal Reviews; 1998; Vol. 42, No. 3; Pgs. 90 - 98 (Ruthenium)   |
|       | AF | Morrison, R. & Boyd, R. (Editors); <u>Organic Chemistry</u> ; New York University; Allen & Bacon, Inc.; 1973; (Third Edition); Chapter 1 - Structure & Properties; Pages 1 - 2 (Organic)  |
|       | AG | Pletcher, D. & Walsh, F.; <u>Industrial Electrochemistry</u> ; 1990; Chapman & Hall; Chapters 1 & 2; Pages 1 - 172  |
|       | AH | Surma et al.; <u>Catalyzed Electrochemical Oxidation (CEO) of Rocky Flats Contaminated Combustible Materials</u> ; March 1996; Report prepared for U.S. Department of Energy, Pacific Northwest National Laboratory, Richland, WA; 25 pages |
|       | AH | Steward Tony; <u>Electrochemical Oxidation of Hazardous Organics</u> ; Sept. 20, 1996; EO Systems, Inc.; 2 pages  |
|       | AJ | Whaley, S.; <u>UNR Attacks Hazardous Waste Riddle</u> ; Las Vegas Review-Journal October 21, 1997; 3 pages  |
|       | AK | Lewis, R.; <u>Hawley's Condensed Chemical Dictionary</u> ; Twelfth Edition; 1993; Van Nostrand - Reinhold; 4 pages  |
| /EMJ/ | AL | Anonymous; <u>Chemical Storage Tank Systems - Good Practice Guide (Summary Guidance Document)</u> ; CIRIA Publication W002; Classic House, 174-180 Old Street, London, EC1V 9BP, England. 43 pages  |
|       | AM |   |

EXAMINER

/Edward M. Johnson/ (10/26/2008)

DATE CONSIDERED